

#1 3. (amended) Apparatus for measuring displacement according to Claim 1[ or 2], wherein:

each optical axis of the plural condenser lenses is mutually parallel; and

the plural condenser lenses are arranged in parallel in a position apart by the focal length from the irradiation point in a line orthogonal to each optical axis and form the lens array.

4. (amended) Apparatus for measuring displacement according to [any of Claims] Claim 1 [to 3], wherein:

relationship in arrangement among the lens array, the imaging lens and the light receiving element is expressed by an expression  $0 < (f2/f1) \cdot t < w$ .

However, w means the light receiving width parallel with the direction of a scan of the light receiving plane, t means the width parallel with the direction of a scan of each condenser lens, f1 means the focal length of the condenser lens and f2 means the focal length of the imaging lens.

5. (Amended) Apparatus for measuring displacement according to [any of Claims] Claim 1 [to 4], wherein:

the projecting means makes the scanned radiated light vertically incident on the surface of the measuring object to form an irradiation point; and

a pair of light receiving means are provided at equal distance from the irradiation point in symmetrical positions from the optical path plane of the scanned radiated light.

3. (amended) Apparatus for measuring displacement according to Claim 1, wherein:

each optical axis of the plural condenser lenses is mutually parallel; and

the plural condenser lenses are arranged in parallel in a position apart by the focal length from the irradiation point in a line orthogonal to each optical axis and form the lens array.

4. (amended) Apparatus for measuring displacement according to Claim 1, wherein:

relationship in arrangement among the lens array, the imaging lens and the light receiving element is expressed by an expression  $0 < (f2/f1) \cdot t < w$ .

However, w means the light receiving width parallel with the direction of a scan of the light receiving plane, t means the width parallel with the direction of a scan of each condenser lens, f1 means the focal length of the condenser lens and f2 means the focal length of the imaging lens.

5. (Amended) Apparatus for measuring displacement according to Claim 1, wherein:

the projecting means makes the scanned radiated light vertically incident on the surface of the measuring object to form an irradiation point; and

a pair of light receiving means are provided at equal distance from the irradiation point in symmetrical positions from the optical path plane of the scanned radiated light.

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